H10019RAR
Customer No. 01333

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Edward Neil Chapman	Group Art Unit: 2626
	Examiner: Michael Burleson
PRINTING SYSTEM AND METHOD FOR CUSTOMIZATION OF A PRINT JOB	I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
Serial No. 09/731,503	*Debra Nowacki* Debra Nowacki
Filed 06 December 2000	*December 20, 2004* Date

RULE 1.131 DECLARATION

I, Edward Chapman, do hereby declare that:

1. I am the inventor of the above identified patent application.

2. Prior to May 17, 2000, I had completed our invention as described and claimed in the subject application in this country, as evidenced by the following:

a. Prior to May 17, 2000, having earlier conceived the idea of a method of customizing a print job comprising receiving an input of an application file; selecting a preferential document-processing feature form a group of document-processing features for a print job; and, applying a plug-in module, for supporting the preferential document-processing feature, to the application file, did submit an invention disclosure to the Heidelberg Digital patent department detailing the invention as evidenced by the HEIDELBERG DIGITAL INVENTION DISCLOSURE attached hereto as Exhibit A.

b. Before submission of the HEIDELBERG DIGITAL INVENTION DISCLOSURE attached hereto as Exhibit A, had implemented the invention claimed in the above identified patent application, as evidenced by the statement in Exhibit A.

I further declare under penalty of perjury pursuant to the laws of the United States of America that the foregoing is true and correct and that this declaration was executed by me on December __17__, 2004 at Rochester, New York.

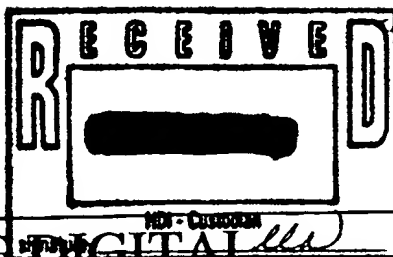|	
Edward Neil Chapman	*12-17-04*
Edward Neil Chapman	Date
30 West Garden Dr.	
Street	
Rochester NY 14606	
City, State, Zip	

Printer Plug-Ins for Customization>

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Request No. _____
Access. No. _____
Docket No. _____

HEIDELBERG DIGITAL INVENTION DISCLOSURE

DOCKET # __/ɔ019__

ASSIGNED DATE: ▓▓▓▓▓▓

Subject: Patentability
Evaluation for: <Printer Plug-Ins for Customization>:

Documentation: Notebook No./Page No.: _____ Date: _____ Author(s): _____
Other (e.g. Technical Reports, memos, Etc.) internal web page Date: ▓▓▓▓▓ Author(s): Ed Chapman

Commercialization/Outside Disclosure: Currently Planned? [X] Yes [ ] No
Product, Process,
Project, or Program: DHV1E Date: first produc▓▓▓▓▓ (Check here [ ] if Clearance Study is also requested)

Disclosure:

I.   Background

This invention relates to a printer architecture that allows for customizations or plug-ins to the standard product without modifying the standard product and to be able to exercise these customizations from within a print job. Office Imaging high end copier printer organization has traditionally had a customization group who's job was to solve customer's needs when the standard off the shelf product would not suit their needs. One example of this on the IS92p printer was to do a RIP and store to TIFF files allowing for printing at a later time. Another was a mail merge imposition application. The method of solving these unique problems were to modify a standard product's software and or hardware and creating a custom version for those particular customer(s).

US patents related:

6006279 Plug-in Module host framework
5978597 Architecture for customizable component system
5867709 Method and system for reusing customizations to a software product

Contributor (s) / Inventor (s):

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Signature of Contributor	**Date**	**Signature of Reviewer** (Read and understood)	**Date**	
1. _Ed̃ʷ N Chɥm_	▓▓▓▓	(1) ▓▓▓▓	▓▓▓▓	Kevin Petrino
2. _____	____	(2) ▓▓▓▓	▓▓▓▓	mike tompkins
3. _____	____			

HEIDELBERG DIGITAL INVENTION DISCLOSURE

Request No. _____
Docket No. _____

Title: <Printer Plug-Ins for Customization>
Author: Ed Chapman

Summary

A typical print job starts with an.application file. To get it in a form our printer understands a PDL file is created such as PDF, PCL, or PostScript. Printer drivers may be employed to select printer features such as media's to use or stapling. Another method of selecting features is to create the PDL file and use a downloader such as KPFD to send it to the printer. The files go to the printer may be spooled and is then sent to the RIP. Within the RIP there are interpreters for the PDL's that turn the PDL file into bitmap images the marking engine understands.
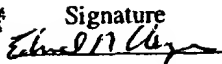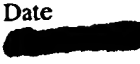
This invention describes a standard API for customization plug-ins. The user turns the customization(s) on or off with options with the print driver or downloader. If the RIP detects the customization(s) are turned on and the plug-ins are installed it executes them at job start, job end, and with each image. The customization inherits full knowledge of the print job including the ability to post-process the bitmap images while the RIP has no knowledge about the customization besides it's on or off and may have options and it may turn off printing. Development of the standard product and customization are de-coupled from each other.

The first implementation of a customization plug-in was recently shipped to customers so we must file before▆▆▆▆▆▆▆The first product was a RIP to store.

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Signature of Contributor	**Date**	**Signature of Reviewer** (Read and understood)	**Date**
1. *Edward N Chapman*	▆▆▆	(1)	▆▆▆
2.		(2)	▆▆▆
3.			

HEIDELBERG DIGITAL INVENTION DISCLOSURE

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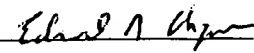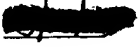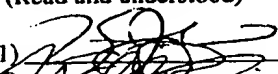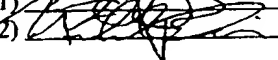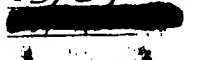
	Full Name (Print or type)	Organization	Phone #	Signature	Date
1.	Edward Neil Chapman	HDi	65843	*Edward N Chapman*	▉▉▉▉
2.					
3.					
4.					

Read and Understood By: (1) _____ ▉▉▉ (2) _____ ▉▉▉
(Two disclosure reviewers) (Signature)   (Date)   (Signature)   (Date)

Approved By: _____ _____ _____ _____ ▉▉▉▉
(Name of Lab head, Technical Director, etc.)   (Title/Organization)   (Signature)   (Date)

Category: TECHNICAL DIRECTOR, ANSWER THE FOLLOWING QUESTIONS:

I. Is there a reasonable prospect of commercial use of the invention by HEIDELBERG DIGITAL? [ ] Yes [ ] No

II. If not, is there a reasonable prospect of commercial use by others to compete with HEIDELBERG DIGITAL?[ ] Yes [ ] No

(Initials _____ , Date _____)

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Signature of Contributor	**Date**	**Signature of Reviewer** (Read and understood)	**Date**
1. *Edward N Chapman*	▉▉▉	(1)	▉▉▉
2.		(2)	▉▉▉
3.			

HEIDELBERG DIGITAL INVENTION DISCLOSURE

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